

# Claims

[c1]

What is claimed is:

1.A method of eliminating irritating noise at the moment of the end of conversation for a walkie-talkie having a receiving loop,the method comprising:

providing a first detector;

determining whether a non-standard CTCSS tone signal in a predetermined frequency range is included in a radio frequency signal received by the walkie-talkie by using the first detector; and

stopping receiving subsequent radio frequency signals if the non-standard CTCSS tone signal in the predetermined frequency range is included in the radio frequency signal.

[c2]

2.The method of claim 1 wherein the walkie-talkie comprises a second detector, the method further comprising:

using the second detector to detect whether a standard CTCSS tone signal in the predetermined frequency range is included in the radio frequency signal received by the walkie-talkie if the non-standard CTCSS tone signal in the predetermined frequency range is not included in the radio frequency signal; and

delivering the radio frequency signal to the receiving loop if the standard CTCSS tone signal in the predetermined frequency range is included in the radio frequency signal by using the

second detector.

- [c3] 3.The method of claim 1 further comprising:  
providing a select button; and  
pressing the select button so that the radio frequency signal is  
capable of being transmitted to the first detector to detect.
- [c4] 4.The method of claim 1 wherein a frequency range of the  
non-standard CTCSS tone signal is between 62.5Hz-250Hz  
but is not overlapping the frequency range used by the  
standard CTCSS tone signal.
- [c5] 5.A walkie-talkie operating according to the method of claim 1.
- [c6] 6.A method for transmitting a radio frequency signal for a  
walkie-talkie, the walkie-talkie comprising a push-to-talk  
button, (PTT button), the method comprising:  
outputting a standard CTCSS tone signal using the walkie-  
talkie when the PTT button is triggered; and  
outputting a non-standard CTCSS tone signal using the  
walkie-talkie when the PTT button is released.
- [c7] 7.The method of claim 6 wherein a frequency range of the  
non-standard CTCSS tone signal is between 62.5Hz-250Hz  
but is not overlapping the frequency range used by the  
standard CTCSS tone signal.
- [c8] 8.A walkie-talkie operating according to the method of claim 6.